

Lenk- und Bremssystem für ein Fahrzeug**Publication number:** JP2002542112 (T)**Publication date:** 2002-12-10**Inventor(s):****Applicant(s):****Classification:**

- international: B62D6/00; B60T8/17; B60T8/1755; B60T17/18; B62D5/04; B62D6/00; B60T8/17; B60T17/18; B62D5/04; (IPC1-7); B60T8/00; B62D5/04; B62D6/00; B62D137/00

- European: B60T8/1755; B60T17/18

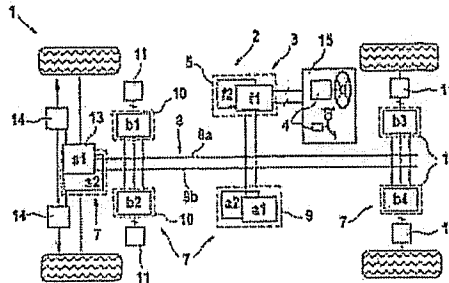
Application number: JP20000613683T 20000330**Priority number(s):** DE19991018995 19990427; WO2000EP02815 20000330**Also published as:**

DE19918995 (A1)
EP1171332 (A1)
EP1171332 (B1)
ES2199808 (T3)
US6684146 (B1)

Abstract not available for JP 2002542112 (T)

Abstract of corresponding document: DE 19918995 (A1)

The invention relates to a steering and braking system for a motor vehicle which comprises at least one condition detecting device (3) for generating condition signals that describe the vehicle condition and at least one automatic control system (7) that generates control signals for controlling steering and braking actuators (11, 14) on the basis of said condition signals. At least one data bus (8a, 8b) is provided for transmitting the signals between the condition detecting device, the automatic control system (7) and the actuators. The aim of the invention is to provide a reliable, failure-tolerant and simple drive-by-wire system. To this end, the automatic control system (7) comprises an arithmetic unit (9) and a control unit (10, 13).; The arithmetic unit generates scheduled signals for the steering and the braking system while the control unit generates control signals for the actuators. The signals of all the devices and units (9, 10, 13) of the steering and braking system are generated in successive cycles at predetermined distances of time. In every cycle the signals are generated in the order arithmetic unit condition detecting device control unit.



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